

(4) When the deck at the line of an opening has rounded gunwales, the breadth of the deck is the distance between the tangent points indicated in § 69.75, figure 11.

(c) A space that is open to the weather and that is under an overhead deck covering with no connection on the space's exposed sides between the covering and the deck other than the stanchions necessary for the covering's support is an excluded space. An open rail or bulwark fitted at the vessel's side does not disqualify the space from being an excluded space if the height between the top of the rail or bulwark and the overhead structure or curtain plate (if fitted) is not less than 2.5 feet or one-third of the height of the space, whichever is greater. (See § 69.75, figure 7.)

(d) A space in a side-to-side structure directly in way of opposite side openings not less than 2.5 feet in height or one-third of the height of the structure, whichever is greater, is an excluded space. If the opening is only on one side of the structure, the space to be excluded is limited inboard from the opening to a maximum of one-half of the breadth of the deck in way of the opening. (See § 69.75, figure 8.)

(e) A space in a structure immediately below an uncovered opening in the deck overhead is an excluded space, if the opening is exposed to the weather and the space to be excluded is limited to the area of the opening. (See § 69.75, figure 9.)

(f) A recess in the boundary bulkhead of a structure which is exposed to the weather and which has an opening that extends from deck to deck without a means of closing is an excluded space, if the interior width of the space is not greater than the width of the opening and extension of the space into the structure is not greater than twice the width of the opening. (See § 69.75, figure 10.)

(g) Any space described in paragraphs (b) through (f) of this section which fulfills at least one of the following conditions is not an excluded space:

(1) The space is fitted with shelves or other means designed for securing cargo or stores.

(2) The opening that would otherwise permit the space to be excluded space is fitted with a means of closure.

(3) Other features of the space make it possible for the space to be closed.

§ 69.63 Net tonnage.

Net tonnage (NT) is determined by the formula:

$$NT = K_2 V_c \left(\frac{4d}{3D} \right)^2 + K_3 \left(N_1 + \frac{N_2}{10} \right),$$

in which:

V_c = total volume of cargo spaces in cubic meters.

$K_2 = 0.2 + 0.02 \log_{10} V_c$.

$$K_3 = 1.25 \left(\frac{GT + 10,000}{10,000} \right)$$

D = molded depth amidships in meters, as "molded depth" is defined in § 69.53.

d = molded draft amidships in meters, as "molded draft" is defined in § 69.53.

N_1 = number of passengers in cabins with not more than eight berths, as "passenger" is defined in § 69.53.

N_2 = number of other passengers, as "passenger" is defined in § 69.53.

GT = gross tonnage as determined under § 69.57.

N_1 plus N_2 must equal the total number of passengers the vessel is permitted to carry as indicated on the ship's Passenger Certificate. If N_1 plus N_2 is less than 13, both N_1 and N_2 are zero.

$\left(\frac{4d}{3D} \right)^2$ must not be greater than unity.

$K_2 V_c \left(\frac{4d}{3D} \right)^2$ must not be less than 0.25 GT.

NT must not be less than 0.30 GT.

[CGD 97-057, 62 FR 51045, Sept. 30, 1997]

§ 69.65 Calculation of volumes.

(a) Volumes V and V_c used in calculating gross and net tonnages, respectively, must be measured and calculated according to accepted naval architectural practices for the spaces concerned.

(b) The volume of the hull below the upper deck is determined as follows:

(1) If the number and location of sections originally used in making other calculations which relate to the form